



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/757,762	01/14/2004	Steven Maddocks	200315423-1	4235

22879 7590 03/14/2007
HEWLETT PACKARD COMPANY
P O BOX 272400, 3404 E. HARMONY ROAD
INTELLECTUAL PROPERTY ADMINISTRATION
FORT COLLINS, CO 80527-2400

EXAMINER

KEATON, SHERROD L

ART UNIT	PAPER NUMBER
----------	--------------

2109

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/14/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/757,762

Applicant(s)

MADDOCKS ET AL.

Examiner

sherrod keaton

Art Unit

2109

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>1/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This action is in response to the original filing of January 14, 2004. Claims 1-20 are pending and have been considered below:

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claims 1-4, 8, 11, 12 are rejected under 35 U.S.C. 102(a) as being anticipated by Yung et al (2004/0032430A1).

Claim 1: Yung discloses a storage network comprising:

a.) an automated storage system including data access drivers and transfer robotics

(Page 2, Paragraph 11 and 37);

b.) an interface manager communicatively coupled to each of the data access drivers

and transfer robotics , the interface manager aggregating configuration information for

the data access drivers and transfer robotics in the automated storage system (Page 2,

Paragraph 12), (Page 5, Paragraph 71);

Art Unit: 2109

- c.) an interface application provided in computer readable storage at the interface manager, the interface application generating user interface rendering data for the configuration information (Page 1, Paragraph 8) and;
- d.) a graphical user interface operatively associated with the interface application, the graphical user interface outputting the configuration information in accordance with the user interface rendering data (Page 6, Paragraph 75).

Claim 2: Yung discloses a storage network as in Claim 1 above and further discloses an interface application receiving the configuration information from a management pipeline at the interface manager (Page 4, Paragraph 49).

Claim 3: Yung discloses a storage network as in Claim 1 above and further discloses The interface application including a state machine to determine a state of the data access drivers and transfer robotics based at least in part on the configuration information (Page 4, Paragraph 55).

Claim 4: Yung discloses a storage network as in Claim 1 above and further discloses the interface application including a render engine to generate the user interface rendering information (Page 4, Paragraph 49).

Claim 8: Yung discloses an automated storage system linked to a graphical user interface and method comprising:

Art Unit: 2109

- a.) aggregating configuration information at an interface manager for a plurality of system devices in an automated storage system (Page 1, Paragraph 8);
- b.) generating a user Interface rendering data at the interface manager (Page 2, Paragraph 12); and
- c.) displaying the configuration information in an application window at the graphical user interface in accordance with the user interface rendering data (Page 5, Paragraph 71).

Claim 11: Yung discloses an automated storage system linked to a graphical user interface and method as in Claim 8 above and further discloses receiving user input in the application window and updating the application window based on the user input (Page 5, Paragraph 66-71).

Claim 12: Yung discloses an automated storage system linked to a graphical user interface and method as in Claim 8 above and further discloses receiving management commands for the system devices based on user input at the application window (Page 5, Paragraph 66-71).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 2109

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 5-7, 9, 10, 13-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yung et al (2004/0032430A1) in view of Dimitroff (US 6212606B1).

Claim 5 and 9: Yung discloses a storage network as in Claims 1 and 8 above but does not explicitly disclose a graphical user interface displaying a logical map of the data access drivers and transfer robotics. However Dimitroff discloses security and access parameters (Column 3, Lines 34-54), (Column 4, Lines 6-67), (Column 5, Lines 1-60) which perform the same action as a logical map, which is enabling and disabling user access of system devices. Therefore it would have been obvious to one having ordinary skill in the art the time of the invention to show the security and access parameters in the graphical user interface of Yung. One would have been motivated to show the security and access parameters for security and to give the user recognition of areas allowed to be modified.

Claim 6: Yung discloses a storage network as in Claim 1 above and but does not explicitly disclose displaying access permissions for the data access drives and transfer robotics in table format. However Yung does disclose displaying instrument controls in a table format (Fig 5B and 5C) and Dimitroff discloses the security and access parameters for a storage system (Column 3, Lines 34-54), (Column 4, Lines 6-67), (Column 5, Lines 1-60). Therefore it would have been obvious to one having ordinary

Art Unit: 2109

skill in the art at the time of the invention to add the access and security parameters along with the table list of Yung. One would have been motivated to add the access and security parameter to the table display in order to show a listing of available instruments and security clearance of use.

Claim 7: Yung discloses a storage network as in Claim 1 above and but does not explicitly disclose user input to change access permissions for the data access drivers and transfer robotics. However Yung does disclose management and control of instruments through the application window (Page 5, Paragraph 61 and 66) and Dimitroff discloses the security and access parameters for a storage system (Column 3, Lines 34-54), (Column 4, Lines 6-67), (Column 5, Lines 1-60). Therefore it would have been obvious to one having ordinary skill in the art at the time of the invention to let the user control and edit access permissions of the devices of Yung. One would have been motivated to allow editing of access permissions of the devices to give more management capabilities to the user or administrator.

Claim 10: Yung discloses an automated storage system as in Claim 8 above and but does not explicitly disclose displaying access permissions for the system devices in the application window. However Yung does disclose displaying instrument controls in an application window (Fig 5B and 5C). Dimitroff also discloses the security and access parameters for a storage system (Column 3, Lines 34-54), (Column 4, Lines 6-67), (Column 5, Lines 1-60), (Fig. 1). Therefore it would have been obvious to one having

Art Unit: 2109

ordinary skill in the art at the time of the invention to add the access and security parameters along with the application window of Yung. One would have been motivated to add the access and security parameter to the application window in order to show a listing of available instruments to be edited.

Claim 13: Yung discloses an automated storage system linked to a graphical user interface and method as in Claim 8 above but does not explicitly disclose copying all access permissions for a first host selection to a second host selection in the application window. However Yung does disclose cut, copy and paste functions the application window (Fig 5B and 5C) and Dimitroff discloses the security and access parameters for a storage system containing host and devices (Column 3, Lines 34-54), (Column 4, Lines 6-67), (Column 5, Lines 1-60), (Fig. 1). Therefore it would have been obvious to one having ordinary skills in the art at the time of the invention to allow the access and security parameters of the first host to be copied to a second host in Yung. One would have been motivated to copy access permissions in order to allow the two host shared access and security.

Claim 14: Yung discloses an automated storage system linked to a graphical user interface and method as in Claim 8 above but does not explicitly disclose removing all access permissions for at least one host selection in the application window. However Yung does disclose cut, copy and paste functions the application window (Fig 5B and

Art Unit: 2109

5C) and Dimitroff discloses the security and access parameters for a storage system containing host and devices (Column 3, Lines 34-54), (Column 4, Lines 6-67), (Column 5, Lines 1-60), (Fig. 1). Therefore it would have been obvious to one having ordinary skills in the art at the time of the invention to allow removing of access and security parameters of a host in Yung. One would have been motivated to remove access permissions in order to allow a user the ability to edit, reorder or allow open access to that host.

Claim 15: Yung discloses an automated storage system linked to a graphical user interface and method as in Claim 8 above but does not explicitly disclose copying all access permissions for a first device selection to a second device selection in the application window. However Yung does disclose cut, copy and paste functions the application window (Fig 5B and 5C) and Dimitroff discloses the security and access parameters for a storage system containing host and devices (Column 3, Lines 34-54), (Column 4, Lines 6-67), (Column 5, Lines 1-60), (Fig. 1). Therefore it would have been obvious to one having ordinary skills in the art at the time of the invention to allow the access and security parameters of the first device to be copied to a second device in Yung. One would have been motivated to copy access permissions in order to allow the two host shared access and security.

Claim 16: Yung discloses an automated storage system linked to a graphical user interface and method as in Claim 8 above but does not explicitly disclose removing all

Art Unit: 2109

access permissions for at least one device selection in the application window. However Yung does disclose cut, copy and paste functions the application window (Fig 5B and 5C) and Dimitroff discloses the security and access parameters for a storage system containing host and devices (Column 3, Lines 34-54), (Column 4, Lines 6-67), (Column 5, Lines 1-60), (Fig. 1). Therefore it would have been obvious to one having ordinary skills in the art at the time of the invention to allow removing of access and security parameters of a device in Yung. One would have been motivated to remove access permissions in order to allow a user the ability to edit, reorder or allow open access to that device.

Claim 17: Yung discloses a method comprising:

- a.) aggregating configuration information for a plurality of system devices in a storage system (Page 1, Paragraph 8);
- b.) generating a user Interface rendering data (Page 2, Paragraph 12); However Yung does not explicitly disclose
- c.) displaying the configuration information as a logical map of the system devices at a graphical user interface in accordance with the user interface rendering data, but Dimitroff discloses security and access parameters (Column 3, Lines 34-54), (Column 4, Lines 6-67), (Column 5, Lines 1-60), which perform the same action as a logical map, which is enabling and disabling user access of system devices. Therefore it would have been obvious to one having ordinary skill in the art the time of the invention to display the security and access parameters in the graphical user interface of Yung. One would

Art Unit: 2109

have been motivated to display the security and access parameters for security and to give the user recognition of areas allowed to be modified.

Claim 18: Yung discloses a method as in Claim 17 above and but does not explicitly disclose user selections from the graphical user interface to edit access permissions to the system devices. However Yung does disclose management and control of instruments through the graphical user interface (Page 5, Paragraph 61 and 66) and Dimitroff discloses the security and access parameters for a storage system (Column 3, Lines 34-54), (Column 4, Lines 6-67), (Column 5, Lines 1-60). Therefore it would have been obvious to one having ordinary skill in the art at the time of the invention to let the user control and edit access permissions of the devices using a graphical user interface in Yung. One would have been motivated to allow editing of access permissions of the devices using a graphical user interface to give more management capabilities to the user or administrator.

Claim 19: Yung discloses a user selection from the graphical user interface to edit access permissions to the system devices as in Claim 18 above but does not explicitly disclose copying and pasting access permissions for a first host selection to a second host selection in the application window. However Yung does disclose cut, copy and paste functions in the application window (Fig 5B and 5C) and Dimitroff discloses the security and access parameters for a storage system containing host and devices (Column 3, Lines 34-54), (Column 4, Lines 6-67), (Column 5, Lines 1-60), (Fig. 1).

Art Unit: 2109

Therefore it would have been obvious to one having ordinary skills in the art at the time of the invention to allow the access and security parameters of the first host to be copied to a second host in Yung. One would have been motivated to allow copy and pasting of access permissions to add efficiency to the process.

Claim 20: Yung discloses a user selection from the graphical user interface to edit access permissions to the system devices as in Claim 18 above but does not explicitly disclose copying and pasting access permissions for a first system device to a second system device. However Yung does disclose cut, copy and paste functions in the application window (Fig 5B and 5C) and Dimitroff discloses the security and access parameters for a storage system containing host and devices' (Column 3, Lines 34-54), (Column 4, Lines 6-67), (Column 5, Lines 1-60), (Fig. 1). Therefore it would have been obvious to one having ordinary skills in the art at the time of the invention to allow the access and security parameters of the first device to be copied to a second device in Yung. One would have been motivated to allow copy and pasting of access permissions to add efficiency to the process.

Art Unit: 2109

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sherrod Keaton whose telephone number is 571) 270-1697. The examiner can normally be reached on Mon. thru Fri. and alternating Fri. off (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JAMES MYHRE can be reached on 571) 270-1065. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3800.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SLK
2-16-07


James Myhre
Supervisory Patent Examiner